What is claimed:

1. A cable assembly for an electrosurgical pencil comprising a power and signal transmitting multiple-core cable with an attachment plug, in which the power transmitting core has more conductors and thicker insulation than two signal transmitting cores, said attachment plug having either plastic plug-pins with spring-steel strips, or metal plug-pins with recesses on a plug body near the plug-pins to provide flexibility in mating with a socket.

2. A cable assembly as in Claim 1, wherein two signal transmitting cores have a reduced diameter in comparison to said power transmitting core.

3. A cable assembly as in Claim 1, wherein said attachment plug further comprises a plastic outer mould and an inner mould to prevent three cores from contact with each other.

4. A cable assembly as in Claim 3, wherein said inner mould has gutters for embedding said three cores.

5. A cable assembly as in Claim 1, wherein said recess is a notch cut on a ridge of the plug body near the plug-pin.

6. A cable assembly as in Claim 1, wherein said attachment plug further comprises a plastic outer mould having a two-piece construction without an inner mould and employs constructional spacers and barriers to prevent three cores from contacting each other.

7. A cable assembly as in Claim 1, wherein the number of conductors in each signal transmitting core is 4.

8. In combination:

an electrosurgical pencil; and

a cable assembly for said electrosurgical pencil comprising a power and signal transmitting multiple-core cable with an attachment plug, in which

the power transmitting core has more conductors and thicker insulation than two signal transmitting cores, said attachment plug having a pair of plastic plug-pins each with a spring-steel strip to provide flexibility in mating with a socket.

9. A combination as in Claim 8, wherein two signal transmitting cores have a reduced diameter in comparison to said power transmitting core.

10. A combination as in Claim 8, wherein said attachment plug further comprising a plastic outer mould and an inner mould to prevent three cores from contact with each other.

11. A combination as in Claim 10, wherein said inner mould has gutters for embedding said three cores.

12. A combination as in Claim 8, wherein said recess is a simple notch cut on the ridge of the plug body near the plug-pin.

13. A combination as in Claim 8, wherein the number of conductors in each signal transmitting core is 4.

14. In combination:

an electrosurgical pencil; and

a cable assembly for an electrosurgical pencil comprising a power and signal transmitting multiple-core cable with an attachment plug, in which the power transmitting core has more conductors and thicker insulation than two signal transmitting cores, said attachment plug having metal plug-pins with recesses on a plug body near the plug-pins to provide flexibility in mating with a socket.

15. A combination as in Claim 14, wherein two signal transmitting cores have a reduced diameter in comparison to said power transmitting core.

16. A combination as in Claim 14, wherein said attachment plug further comprising a plastic outer mould and an inner mould to prevent three cores from contact with each other.

17. A combination as in Claim 16, wherein said inner mould has gutters for embedding said three cores.

18. A combination as in Claim 14, wherein a said recess is a notch cut on the ridge of the plug body near the plug-pin.

19. A combination as in Claim 14, wherein said attachment plug further comprises a plastic outer mould having a two-piece construction without an inner mould and employs constructional spacers and barriers to prevent three cores from contacting each other.

20. A combination as in Claim 14, wherein the number of conductors in each signal transmitting core is 4.